

### CLAIMS

1. Radiocommunications device capable of operating on at least two transmission frequency bands and at least two reception frequency bands, including first means for implementing communications according to a first predetermined standard,

5 characterised in that it includes second means for implementing communications according to a second predetermined standard, at least partially using at least one of said frequency bands.

2. Radiocommunications device according to claim 1, characterised in that said second communications implementation means use the same frequency band  
10 for transmission and reception.

3. Radiocommunications device according to claim 2, characterised in that said frequency band used for transmission and reception is chosen so as to include a portion in which said device is capable of transmitting according to said first standard and a portion in which it is capable of receiving according to said first  
15 standard.

4. Radiocommunications device according to any one of claims 1 to 3, characterised in that said first and second communications implementation means share at least some of their processing means.

5. Radiocommunications device according to claim 4, characterised in that  
20 said shared processing means belong to the group including:

- digital processing means;
- filtering means;
- amplification means;
- modulation and/or demodulation means.

25 6. Radiocommunications device according to either one of claims 4 or 5, characterised in that said shared processing means include digital processing means and storage means, containing data for command and control of said digital processing means, according to said first standard and according to said second standard.